

# 1) Resolva as expressões abaixo:

Lembre de considerar a precedência de operadores.

Exemplos:

$10 \geq 5 * 2$  Resposta: verdadeiro

$10 \geq 5 * 2 * 2$  Resposta: falso

1)  $10 \geq 9$  Resposta: \_\_\_\_\_

2)  $10 - 21 / 7 \geq 7$  Resposta: \_\_\_\_\_

3)  $(1 > 2) \&\& 17 > 10 - 2 * (3 - 1)$  Resposta: \_\_\_\_\_

4)  $2 + 4 > 1 + 2 * 2$  Resposta: \_\_\_\_\_

5)  $(10 * 2 - 1) > 10 \&\& 10 \geq 4 + 1 * 2$  Resposta: \_\_\_\_\_

6)  $10 > 2 \|\ (5 * 2) + 10 / 2 + (10 * 3 / 2 + 1) > 20 * 3 - 1$  Resposta: \_\_\_\_\_

7)  $(10 \geq 2) \|\ (10 - 2 \leq 5 - 2 / 1)$  Resposta: \_\_\_\_\_

8)  $10 + 2 + 4 / 4 \geq 3 * 3 - 60 / 3 \&\& 10 \geq 60 / 6$  Resposta: \_\_\_\_\_

9)  $60 / 20 * 2 \geq 7 - 1$  Resposta: \_\_\_\_\_

10)  $10 > 2 \|\ 60 > 20 * 3 - 1$  Resposta: \_\_\_\_\_

11)  $11 + 5 / 10 - 10 \leq 10$  Resposta: \_\_\_\_\_

12)  $\text{true} \&\& \text{true} \&\& \text{false}$  Resposta: \_\_\_\_\_

13)  $\text{true} \|\ \text{false} \|\ \text{false}$  Resposta: \_\_\_\_\_

14)  $\text{true} \|\ \text{!false} \|\ \text{false}$  Resposta: \_\_\_\_\_

15)  $\text{false} \&\& \text{false} \|\ \text{true}$  Resposta: \_\_\_\_\_

16)  $\text{!false}$  Resposta: \_\_\_\_\_

17)  $\text{!true}$  Resposta: \_\_\_\_\_

18)  $\text{!true} \&\& \text{true} \&\& \text{!false}$  Resposta: \_\_\_\_\_

19)  $\text{!(false} \&\& \text{false} \|\ \text{!true)}$  Resposta: \_\_\_\_\_

20)  $2 == 4 - 2 \&\& \text{true} == \text{true} \&\& 10 * 2 - 1 > 20$  Resposta: \_\_\_\_\_

21)  $10 \geq 9 \&\& 15 * 2 + 1 \geq 31 \&\& \text{true}$  Resposta: \_\_\_\_\_

22)  $(2 \geq 5) \text{ and } (1 != 0) \text{ and } \text{!(6} \leq 2 * 3) \text{ or } (10 != 10)$  Resposta: \_\_\_\_\_

23)  $(5 != 2) \|\ \text{! (7 > 4) and (4} \leq 1.344)$  Resposta: \_\_\_\_\_

24)  $(7 \leq 8) == (3/2 == 1)$  Resposta: \_\_\_\_\_

25)  $17.5 \ \&\& \ (3.3 > 2)$  Resposta: \_\_\_\_\_

26)  $6 > 3 + 8$  Resposta: \_\_\_\_\_

27)  $6 + 3 > 8$  Resposta: \_\_\_\_\_

28)  $4 > (2 + 9)$  Resposta: \_\_\_\_\_

29)  $4 < 7 + 3$  Resposta: \_\_\_\_\_

30)  $4 < (7 * 5)$  Resposta: \_\_\_\_\_

31)  $2/5 \geq 2.5$  Resposta: \_\_\_\_\_

32)  $(2 \geq 5) \text{ and } (1 \neq 0) \text{ and not}(6 \leq 2 * 3) \text{ or } (10 \neq 10)$  Resposta: \_\_\_\_\_

**2) Considerando as seguintes atribuições,  $R = 2$ ,  $S = 5$ ,  $T = -1$ ,  $X = 3$ ,  $Y = 1$  e  $Z = 0$ , resolver as expressões abaixo:**

a)  $(R \geq 5) \ || \ (T > Z) \ \&\& \ (X - Y + R > 3 * Z)$  Resposta: \_\_\_\_\_

b)  $(X == 2) \ || \ (Y == 1) \ \&\& \ ((Z == 0) \ || \ (R > 3)) \ \&\& \ (S < 10)$  Resposta: \_\_\_\_\_